10053516

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: l10 and signal

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

Search Clear Interrupt

Search History

DATE: Friday, August 19, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
L11	l10 and signal	9	L11
L10	l9 and reporter	9	L10
L9	L8 and (degradat$3 near5 protein$1)	11	L9
L8	l6 and (agent$1 or compound$1)	153	L8
L7	L6 and ((agent$1 or compound$1) near10 degradat$3 near5 protein$1)	0	L7
L6	L5 and (differen$2 near5 protein$1)	154	L6
L5	L4 and subpopulat$3	257	L5
L4	L3 and (inhibit$3 near5 expres$4)	2777	L4
L3	l1 and (popula$4 near5 cell$1)	5047	L3
L2	L1 and (populat$3 5A cell$1)	0	L2
L1	expres$4 same fusion same protein	21103	L1

END OF SEARCH HISTORY

10/05-3516

```
> s short 5A liv## 5a protein#
L1            0 SHORT 5A LIV## 5A PROTEIN#

=> s short (P) liv## (P) protein#
L2        13736 SHORT (P) LIV## (P) PROTEIN#

=> s l2 and (xpres### 5a fusiong protein#)
L3            0 L2 AND (XPRES### 5A FUSIONG PROTEIN#)

=> s l2 and (expres### 5A fusion protein#)
L4            0 L2 AND (EXPRES### 5A FUSION PROTEIN#)

=> s l2 and fusion protein#
L5          363 L2 AND FUSION PROTEIN#

=> s l5 and (reporter# 5A protein#)
L6            0 L5 AND (REPORTER# 5A PROTEIN#)

=> s l5 and (inhibit### 10A expres###)
L7            0 L5 AND (INHIBIT### 10A EXPRES###)

=> s l5 and (inhibit### 10A expres###)
L8            0 L5 AND (INHIBIT### 10A EXPRES###)

=> s l5 and (inhibit### 5A expres####)
L9            0 L5 AND (INHIBIT### 5A EXPRES####)

=> s l5 and inhibit###
L10          82 L5 AND INHIBIT###

=> s l10 and (differen## 10A protein#)
L11           0 L10 AND (DIFFEREN## 10A PROTEIN#)

=> s l10 and (reporter# 10A signal#)
L12           0 L10 AND (REPORTER# 10A SIGNAL#)

=> s l10 and inhibit###
L13          82 L10 AND INHIBIT###

=> s l13 and cDNA librar###
   1 FILES SEARCHED...
L14           1 L13 AND CDNA LIBRAR###

=> d l14 bib ab kwic

L14  ANSWER 1 OF 1     MEDLINE on STN
AN   2004493369     MEDLINE
DN   PubMed ID: 15461799
TI   Development of a method for screening short-lived
     proteins using green fluorescent protein.
AU   Jiang Xin; Coffino Philip; Li Xianqiang
CS   Panomics Inc, 2003 East Bayshore Road, Redwood City, CA 94063, USA..
     xjiang@panomics.com
NC   R01 45335 (NIGMS)
     R43 GM64036
SO   Genome biology, (2004) 5 (10) R81.  Electronic Publication: 2004-09-28.
     Journal code: 100960660. ISSN: 1465-6914.
CY   England: United Kingdom
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Priority Journals
EM   200507
ED   Entered STN: 20041006
     Last Updated on STN: 20050729
     Entered Medline: 20050728
AB   We have developed a screening technology for the identification of
     short-lived proteins. A green fluorescent
     protein (GFP)-fusion cDNA library was
```

generated for monitoring degradation kinetics. Cells expressing a subset of the GFP-cDNA expression library were screened to recover those in which the fluorescence signal diminished rapidly when **protein** synthesis was **inhibited**. Thirty clones that met the screening criteria were characterized individually. Twenty-three (73%) proved to have a half-life of 4 hours or less.

TI Development of a method for screening **short-lived proteins** using green fluorescent **protein**.

AB We have developed a screening technology for the identification of **short-lived proteins**. A green fluorescent **protein** (GFP)-fusion **cDNA library** was generated for monitoring degradation kinetics. Cells expressing a subset of the GFP-cDNA expression library were screened to recover those in which the fluorescence signal diminished rapidly when **protein** synthesis was **inhibited**. Thirty clones that met the screening criteria were characterized individually. Twenty-three (73%) proved to have a half-life of 4 hours. . .

CT . . . *Gene Library
*Green Fluorescent Proteins: AN, analysis
Green Fluorescent Proteins: GE, genetics
Half-Life
Humans
Kinetics
Protein Biosynthesis: DE, drug effects
Protein Synthesis Inhibitors: PD, pharmacology
*Proteins: AN, analysis
Proteins: GE, genetics
*Proteins: ME, metabolism
Recombinant Fusion Proteins: AN, analysis
Recombinant Fusion Proteins: GE, genetics
Recombinant Fusion Proteins: ME, metabolism
Research Support, N.I.H., Extramural
Research Support, U.S. Gov't, P.H.S.
Time Factors

CN 0 (Protein Synthesis **Inhibitors**); 0 (Proteins); 0 (Recombinant **Fusion Proteins**)

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